

IN THE ABSTRACT:

Please add the following Abstract of the Disclosure:

ABSTRACT OF THE DISCLOSURE

A device for sorting different materials comprises a conveyor belt (30), at least one sensor (37) that is allocated to the conveyor belt (30) and detects pieces of material according to the location thereof on the conveyor belt (30), and at least one actuator (24) which separates pieces of material in accordance with signals of the sensor(s) (37). The sorting device has an electromagnetic actuator (24) which includes an ejecting part (15) that is rotatable about a shaft (7) and is connected to at least one coil (10). The coil (10) is located in the air gap between two pairs, oppositely poled permanent magnets (8, 9, 22) and can be rotated from a zero position between the first oppositely magnetized pair (8) into a second position between the second oppositely magnetized pair (9). A rotational movement of the coil (10) causes the ejecting part (15) to separate the respective pieces of material.